

Notice No.1

Rules and Regulations for the Classification of Inland Waterways Ships July 2018

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

Please note that corrigenda amends to paragraphs, Tables and Figures are not shown in their entirety.

Issue date: November 2018

Amendments to	Effective date	IACS/IMO implementation (if applicable)
Part 5, Chapter 9, Section 1	1 January 2019	N/A
Part 5, Chapter 10, Section 1	1 January 2019	N/A
Part 6, Chapter 2, Section 9	1 January 2019	N/A

Part 5, Chapter 9

Pressure Vessels other than Boilers

■ Section 1

General requirements

1.2 Definition of symbols

(Part only shown)

1.2.1 The symbols used in the various formulae in *Pt 5, Ch 9, 2 Cylindrical shells and drums subject to internal pressure* inclusive, unless otherwise stated, are defined as follows, and are applicable to the specific part of the pressure vessel under consideration:

p = design pressure, in ~~bar~~ MPa, see *Pt 5, Ch 9, 1.3 Design pressure*

1.5 Classification of fusion welded pressure vessels

(Part only shown)

1.5.2 For Rule purposes, pressure vessels are graded as Class 2/1 and Class 2/2 if they comply with the following conditions:

- (a) where the design pressure exceeds ~~17,2 bar~~ 1,72 MPa; or
- (c) where the design pressure, in ~~bar~~ MPa, multiplied by the actual thickness of the shell, in mm, exceeds ~~157~~ 15,7; or

1.6 Plans

1.6.1 Plans of pressure vessels are to be submitted in triplicate for consideration where all the conditions in (a) or (b) are satisfied:

- (a) The vessel contains vapours or gases, e.g. air receivers, hydrophore or similar vessels and gaseous CO₂ vessels for fire-fighting, and
 - $pV > \cancel{600} 60$
 - $p > \cancel{4} 0,1$
 - $V > 100$
 - V = volume (litres) of gas or vapour space
- (b) The vessel contains liquefied gases for fire-fighting or flammable liquids, and
 - $p > \cancel{7} 0,7$
 - $V > 100$
 - V = volume (litres)
 - p is as defined in *Pt 5, Ch 9, 1.2 Definition of symbols 1.2.1*.

Part 5, Chapter 10

Piping Design Requirements

■ Section 1

General

1.2 Design symbols

(Part only shown)

1.2.1 The symbols used in this Chapter are defined as follows:

p = design pressure, in ~~bar~~ MPa, see Pt 5, Ch 10, 1.3 Design pressure

p_t = hydraulic test pressure, in ~~bar~~ MPa.

1.5 Classes of pipes

Table 10.1.1 Maximum pressure and temperature conditions for Class II and Class III piping systems

Piping System	Class II		Class III	
	p	T	p	T
	bar MPa	°C	bar MPa	°C
Steam	16,0 1,6	300	7,0 0,7	170
Thermal oil	16,0 1,6	300	7,0 0,7	150
Flammable liquids (see Note 1)	16,0 1,6	150	7,0 0,7	60
Other media	40,0 4	300	16,0 1,6	200
Cargo Oil	40,0 4	300	16,0 1,6	200
Note 1. Flammable liquids include: fuel oil, lubricating oil and flammable hydraulic oil.				
Note 2. For Class limitations of grey cast iron, see also Pt 5, Ch 10, 4.2 Grey cast iron.				

Part 6, Chapter 2

Electrical Installations

- *Section 9*
Batteries - Construction and testing

9.1 Construction

9.1.2 For lithium batteries see *Pt 6, Ch 2, 12 Batteries* of the *Rules and Regulations for the Classification of Ships*, July 2018.

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